



GRI-101-CON (520763-0000001)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

ANATOLY CHEKHMIR, ET AL.

Serial No.: 10/606,218

Art Unit: 1754

Filed: June 26, 2003

Examiner: PETER J. LISH

For: PROCESSES FOR IMMOBILIZING
RADIOACTIVE AND
HAZARDOUS WASTES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record in the above-identified application the document or documents referenced on the attached Form PTO-1449. A copy of each non U.S. reference is enclosed herewith.

Cited references are mentioned in the Search Report for applicant's corresponding International patent application and are believed relevant for at least that reason. The references have already been cited in previous IDS filings, therefore, the Search report only is attached.

Further, applicants are submitting herewith:

- Check in the amount of \$180.00 to cover the required fees under 37 C.F.R. § 1.17(p) for submission of this Information Disclosure Statement;
- The Commissioner is hereby authorized to charge the amount of \$180.00 to

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submission of this Supplemental Information Disclosure Statement, and a copy of this authorization is attached.

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It is respectfully requested that the information be expressly considered during the prosecution of this application, and that each reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This submission does not represent that any referenced document is material or constitutes "prior art." If it should be determined that one or more of the referenced documents constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the reference or references.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over any referenced document, should it be applied against the claims of the present application.

PILLSBURY WINTHROP SHAW PITTMAN LLP
P.O. Box 10500
McLean, VA 22102
Tel: (703) 770-7900

Respectfully submitted,

ANATOLY CHEKHMIR, ET AL.

Date:

September 29, 2005

By:

Junc E. Cohan
Registration No. 43,741

JEC/lrhj

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/606,218
Sheet	1	Filing Date	June 26, 2003
		First Named Inventor	Anatoly Chekhmir, et al.
		Art Unit	1754
		Examiner Name	Ardith E. Hertzog
		Attorney Docket Number	GRI-101-CON

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BOTTINGA, et al.; The Viscosity of Magmatic Silicate Liquids: A Model for Calculation, Amererican Jounral of Science, May 1972, 272, pp. 438-475.	<input type="checkbox"/>
		U.S. Dept. of Energy, Office of Civilian Radioactive Waste Management: Waste Acceptance System Requirements Document (WSRD), Revision 4, Jan. 2002, pp. 33-34.	<input type="checkbox"/>
		Pacific Northwest National Laboratory, PNNL-13582: High-Level Waste Melter Study Report; submitted to U.S. Department of Energy July 2001, Section 3.0 and Appendix C.	<input type="checkbox"/>
		U.S. Dept. of Energy, Office of Waste Management; High-Level Waste Borosilicate Glass: A Compendium of Corrosion Characteristics, Vol. 2, March 1994, pp. 267-282.	<input type="checkbox"/>
		LUTZE, et al.; Radioactive Waste Forms for the Future; Eisevier Science Publishers B.V., 1998, Chapter 1, pp. 24-29.	<input type="checkbox"/>
		PERSIKOV, Edward S.; The Viscosity of Magmatic Liquids: Experiment, Generalized Patterns. A Model for Calculation and Prediction Applications; Advances of Physical Chemistry of Magmas (Springer-Verlag, 1991), Chapter 1, pp. 1-40.	<input type="checkbox"/>
		E.K. HANSEN, et al.; Mixing Envelope D Sludge with LAW Intermediate Products with and without Glass Formers, Westinghouse Savannah River Company, September 2001, Table B-40, p. 116, Table B-41, p. 117 and Table B-42, p. 119-120.	<input type="checkbox"/>
		G.L. SMITH et al.; Vitrification and Product Testing of C-104 and AZ-102 Pretreated Sludge Mixed with Flowsheet Quantities of Secondary Wastes, February 2001, Table 3.6, pp. 3.10-3.11, and Table 3.9, pp. 3.12-3.13.	<input type="checkbox"/>
		CHEKHMIR, et al., Diffusion in Magmatic Melts: New Study, found in Chapter 3, Physical Chemistry of Magmas, pp. 99-119.	<input type="checkbox"/>
		Epelbaum et al.; Zonality of Crystal is One More Possible Barrier to Migration of Radionuclides, Geological Problems of Radioactive Waste Burial, Contribution of Physical-Chemical Petrology. Vol. 18 (Miass, 1994), pp. 126-138. (partial translation only)	<input type="checkbox"/>
		U.S. Dept. of Energy, Office of Environmental Management; Waste Acceptance Product Specifications for Vitrified High-Level Waste Forms, WAPS, December 1996, pp. 1, 5-6, 23, 30-31.	<input type="checkbox"/>

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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